CLAIMS

- A method of positioning the crankshaft of an engine having a flywheel fitted to the engine crankshaft, characterized in that the method comprises the steps
- characterized in that the method comprises the steps of:
 - providing a first hole in the flywheel,
- providing a second hole in a stationary part of the engine to line up accurately with the hole in the flywheel once during each crankshaft revolution,
- manually cranking the engine until the holes in the flywheel and the stationary part of the engine are aligned, and
- inserting a locking pin into the aligned holes to lock the crankshaft in a predetermined angular position.
- 2. A method according to claim 1, when used in an engine of which the flywheel (18) has external teeth that are engaged by a driving cog of an electrical starter motor, and

characterized in that the step of manually cranking the engine comprises:

- removing the starter motor,

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- mounting on the engine using the same fixings as the starter motor a manual cranking device having a cog that meshes with the teeth on the flywheel and that is secured to a shaft rotatable by means of a cranking handle, and
- rotating the flywheel by means of the cranking handle to position the flywheel.
- 3. A method according to claim 2, characterized in that the hole in the engine that receives the locking pin is located in such a manner as to prevent replacement of the

engine starter motor while the locking pin is in place in the aligned holes.

- 4. A method according to claim 3, characterized in that the hole in the flywheel is formed so that it is not normal to the end surfaces of the flywheel.
- 5. An internal combustion engine having
 - a crankshaft,
 - a toothed flywheel mounted on the crankshaft,
 - a starter motor have a driving cog that meshes with the teeth of the flywheel,
 - a housing enclosing the flywheel,
 - a first hole formed in the flywheel, and
 - a second hole formed in the housing to line up accurately with the hole in the flywheel once during each crankshaft revolution, and
 - characterized in that the hole in the housing is covered by the starter motor and is only accessible after removal of the starter motor.
- 6. A manual cranking device for use with an engine as claimed in claim 5, and

characterized in that the device comprises :

- a casing for mounting to the engine in place of the starter motor,
 - a shaft journalled in the casing,
- a cog fast in rotation with one end of the shaft for meshing with the teeth of the engine flywheel, and
- a connector at the other end of the shaft for receiving a cranking handle to permit the flywheel to be cranked manually,

- the casing being shaped to avoid obstruction of the hole in the flywheel housing so as to permit a locking pin to be inserted into and removed from the aligned holes in the flywheel and the housing while the
- cranking device is fitted to the engine.